

**MEDICLEAN MC 111**  
**Concentrate for machine cleaning of floors**

Date of issue 28.10.2012

updated: 12.04.2013

Version ANG: 1.0

*Material Safety Data Sheet according to Regulation WE 1907/2006 from 18.12.2006 – REACH and 453/2010 from 20.05.2010r.***SECTION 1: Identification of the mixture and of the company/undertaking****1.1 Product identifier:** MEDICLEAN MC 111 Concentrate for machine cleaning**1.2 Relevant identified uses of the mixture and uses advised against:****Recommended use:** For everyday cleaning and maintenance of floors like: PVC, linoleum, terrazzo, tiles, terracotta, marble, etc.**Uses advised against:** not specified**1.3 Details of the supplier of the safety data sheet:****Manufacturer:** Medi-Sept Sp. z o.o.  
Konopnica 159C, 21-030 Motycz  
tel. (+81) 503 23 77  
[www.medisep.pl](http://www.medisep.pl)E-mail address of the person responsible for safety data sheet: [grzegorz.gromadzki@medi-sept.com.pl](mailto:grzegorz.gromadzki@medi-sept.com.pl)E-mail address of the person responsible for translation: [aleksandra.majewska@medi-sept.com.pl](mailto:aleksandra.majewska@medi-sept.com.pl)**1.4 Emergency telephone number:** +48 81 535 22 22 in hours: 8.00 – 16.00  
International emergency number: 112**SECTION 2: Hazards identification****2.1 Classification of the substance/mixture**

The mixture is not classified as dangerous

**Risk to human health**

The proper use does not pose a threat to human health.

**Risk to environment**

The mixture is not classified as dangerous for the environment, contains ingredients harmful to the environment.

**Physical/chemical**

No.

**2.2 Label elements:****Hazard symbols and warning signs:**

No.

**Hazard statements:**

No.

**Phrases for conditions for safe use:**

No.

**Other information:** safety data sheet available on request of user .

Contains fragrances. It can cause allergic reaction.

According to regulation. 648/2004

&lt;5% nonionic surfactants

&lt;5% EDTA Na4

Surfactants meet the requirements of biodegradability according to Regulation 648/2004.

Ingredient data sheet available at: [www.medisep.pl](http://www.medisep.pl)**2.3 Other hazards:**

No additional hazards

No information about substances specified in PBT or vPvB according to 1907/2006/EG annex XIII.

Appropriate studies have not been conducted.

**SECTION 3: Composition/information on ingredients**

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**3.1 Substance:** Not applicable

**3.2 Mixture:**

Hazardous ingredients:

Product identifier	Content %	Classification acc. to 67/548/EWG	Klasifikacija CLP	
			Hazard class and category codes	Hazard statements
Ethyl alcohol CAS: 64-17-5 WE: 200-578-6 Index number: 603-002-00-5 REACH number: 01-2119488633-28-XXXX	2 – 3,5	 F: R11	Flam. Liq. 2	H225
The sodium salt of 2-ethylhexyl sulphate CAS: 126-92-1 WE: 204-812-8 Index number: - REACH number: the substance is subject to the transitional period	1 - 3	 Xi; R38, R41	Skin Irrit.2 Eye Dam.1	H315 H318
Fatty alcohol ethoxylates C10-C16 CAS: 68002-97-1 WE: - Index number: - REACH number: the substance is subject to the transitional period	0,5 - 2,5	 Xi; R41	Eye Dam.1	H318
EDTA tetrasodium salt CAS: 64-02-8 WE: 200-573-9 Index number: 607-428-00-2 REACH number: the substance is subject to the transitional period	0,5 - 0,9	 Xi; R41  Xn; R22	Acute Tox. 4 Eye Dam.1	H318 H302
Fragrance mixture CAS: -* WE: - Index number: - REACH number: the substance is subject to the transitional period	0,3	 N: R51/53	Aquatic Chronic.2	H411

\*CAS number claimed by the manufacturer

The full texts of the mentioned R-phrases and hazard statements (H) are listed in chapter 16.

It also contains propylene glycol monomethyl ether number CAS 34590-94-8 concentration 2-5%

**SECTION 4: First Aid Measures**

**4.1 Description of first aid measures**

**Skin contact:**

Wash affected areas with soap and water and rinse well. Immediately take off all contaminated clothing. If skin irritation persists, contact doctor.

**Eye contact:**

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing with running water. If symptoms persists, call a doctor.

**Inhalation:**

In case of dizziness and nausea move to fresh air. If symptoms persists, obtain medical advice.

**Ingestion:**



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Do not induce vomiting, rinse mouth. Immediately contact a doctor.

**4.2 Most important symptoms and effects, both acute and delayed:**

The respiratory system. Inhalation of concentrated vapors may cause irritation of the mucous membranes of the nose, throat and downstream sections of the respiratory system, cough, shortness of breath, trouble breathing.

The digestive tract: May cause irritation of the mucous membranes of the gastrointestinal tract, abdominal pain, stomach cramps, nausea, vomiting, diarrhea, malaise, headache and dizziness – symptoms of food poisoning.

Eye contact: May cause skin irritation in case of direct exposure.

Contact with skin: Long, frequent, direct contact can cause redness, sensitive skin irritations.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media:**

**Suitable extinguishing media:** alcohol-resistant foam or dry chemicals (A,B,C), carbon dioxide (fire extinguisher).

Use fire extinguishing methods suitable to surrounding conditions.

**Not suitable:** Heavy jet of water.

**5.2 Special hazards arising from substance or mixture:**

During a fire, under the action of high temperature release of toxic degradation products containing min. oxides of carbon.

**5.3 Advice for firefighters:**

Cool containers with spray water. If possible remove from the danger zone. As in any fire, wear self-contained breathing apparatus and full protective gear. Prevent fire-fighting water from entering surface water, ground water and sanitation.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

*For non-emergency personnel:* the failure to notify the competent authorities. Remove from the danger zone people not involved in the liquidation of failure.

*For emergency personnel:* Ensure adequate ventilation. Use personal protective equipment. Do not breath vapors.

**6.2 Environmental precautions:**

Do not allow to enter sewerage or water bodies. Inform local authorities in case of inability to provide protection.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Contaminated material placed in properly labeled containers according to applicable provisions. .

**6.4 Reference to other sections**

Product waste – see section 13

Personal protection – see section 8

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:**

Use in well-ventilated area. Avoid prolonged or repeated contact with skin. Avoid spilling or splashing. Do not breath vapours. Keep away from sources of ignition, high temperature, hot surfaces and open fire. Work in accordance with safety instructions and hygiene: Do not eat, drink and smoke in work areas, wash hands after use, remove contaminated clothing and protective equipment before entering eating areas. For all specific recommendations given carry out risk assessment at the workplace in order to help determine controls appropriate to local circumstances.

**7.2 Conditions for safe storage, including any incompatibilities.**

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Store in a cool, dry, well-ventilated properly labeled and tightly closed original container.  
 Keep away from heat and direct sunlight, hot surfaces and open fire.

**7.3 Specific end uses:**

For everyday cleaning and maintenance of floors like: PVC, linoleum, terrazzo, tiles, terracotta, marble, etc.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters:**

Exposure standards for occupational hazards in accordance with the Regulation of the Minister of Labour and Social Policy on the maximum permissible concentrations and intensities of harmful factors in the work environment dated 29 November 2002 (Journal of Laws No. 217, item 1833 as later amended)

Exposure limits:

Substance	NDS	NDSch	NDSP
	mg/m3		
Propylene glycol monomethyl ether	240	480	-
Ethyl alcohol	1900	-	-

**8.2 Exposure controls:**

**Appropriate technical controls:** recommended well-ventilated areas.

**Individual protective means such as gloves, glasses.**



**Eye and face protection:**

Wear framed glasses or face mask (acc. EN 166)

**Skin protection:**

*Hand protection:*

Wear protective nitrile, natural rubber or PCV gloves according with EN-PN 374:2005.

**Gloves material:**

Choice of suitable gloves do not depend only on material but brand and quality. Material resistance can be defined after testing. Exact destruction time must be declared by manufacturer.

*Other:*

Wear appropriate protective workwear acc. EN 344 – wash regularly.

**Air passages protection:**

Do not breath vaporous

**Thermal hazards:**

Not applicable.

**Control of environmental exposure:**

Do not allow to spread in the environment and enter drains or watercourses.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid
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Colour	Green
Odour	Lemon
Odour threshold	Not specified
pH	ca.9,0
Melting point/range	Not specified
Boiling point/range	Ca.98 °C
Flash point	Not specified
Ignition	Not specified
Evaporation rate	Not specified
Flammability (solid,gas)	Not specified
Lower explosive limit	Not specified
Higher explosive limit	Not specified
Vapour pressure at 20 °C	Not specified
Realtive vapor density	Not specified
Density at 20 °C	1,00 - 1,01g/cm <sup>3</sup>
Solubility in solvents	Completely soluble in water
Coefficient n-octanol/water	Not specified
Auto-ignition temperature	No
Decomposition temeperature	Not specified
Viscosity	Not specified
Kinematic viscosity at 22°C	1,1 mm <sup>2</sup> /s
Explosive properties	Not specified
Oxidizing properties	Not specified

**9.2 Other information:**

No additional test results.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity:**

Unknown.

**10.2 Chemical stability :**

The product is stable under normal conditions.

**10.3 Possibility of hazardous reactons:**

No

**10.4 Conditions to avoid:**

Avoid high temperature, direct sunlight, hot surfaces and open fire.

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No

**10.6 Hazardous decomposition products:**

At high temperatures toxic products of decomposition release – oxides of carbon.

**SEKCJA 11: Toxicological information****11.1 Information on toxicological effects:**

- a) acute toxicity: not recognized  
The sodium salt of 2-ethylhexyl sulphate  
LD50 (rat orally):>2000 mg/kg  
Ethyl alcohol  
LC50 (rat, orally):>7060mg/kg  
LD50 (rabbit, orally): 6300mg/kg  
LC50 (rat, inhalation): 20000ppm/10h  
b) irritant effect: not recognized  
c) corrosion: not recognized  
d) allergic: not recognized  
e) repeated dose toxicity: no data  
f) carcinogenicity: does not show  
g) mutagenicity: not shown  
h) reproductive toxicity: does not show

**Information on likely routes of exposure:**

The respiratory system: no  
The digestive tract: May cause irritation of the mucous membranes of the gastrointestinal tract, abdominal pain, stomach cramps, nausea, vomiting, diarrhea, malaise, headache and dizziness – symptoms of food poisoning.  
Eye contact: May cause skin irritation in case of direct exposure.  
Contact with skin: Long, frequent, direct contact can cause redness, sensitive skin irritations.

**Delayed, immediate and chronic effects from short-and long-term exposure:**

No data.

**Interaction effect:**

No data.

**SECTION 12: Ecological information**

Detailed studies of the environmental effects were not carried out. The mixture is not classified as dangerous for the environment, contains ingredients harmful to the environment.

Do not allow product to reach ground water, drains and watercourses.

**12.1 Toxicity:**

The sodium salt of 2-ethylhexyl sulphate  
Toxicity to fish - LC0:580 mg/l/48h  
Toxicity to fish LC50:744 mg/l/48h  
Toxicity to fish LC100:954 mg/l/48h (Salmo Gairdneri, OECD 203)  
Ethyl alcohol  
Toxicity to fish EC50:12900-15300 mg/l/96h (pstrąg tęczowy)  
Toxicity to bacteria EC50: 34900 mg/l/5-30min

**12.2 Persistence and degradability:**

Surfactants meet the requirements of biodegradability according to Regulation 648/2004.

**12.3 Bioaccumulative ability:**

No data.

**12.4 Mobility in soil:**

Mobile in the soil, dissolved in water and spread in water environment.

**12.5 Test result of PBT and vPvB assessment:**

No data.

**12.6 Other adverse effects:**

No data.

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Remainders of product and contaminated empty containers must be disposed in accordance with local and state regulations. The rest place in original containers. Utilize in accordance with valid regulations. Empty containers should be disposed of in accordance with regulations or provide for appropriate landfill.

**SECTION 14: Transport information****14.1 UN number :** Not applicable. Product is not classified as dangerous in transport.**14.2. UN proper shipping name:** Not applicable. Product is not classified as dangerous in transport.**14.3 Transport hazard class:** Not applicable. Product is not classified as dangerous in transport.**14.4 Packing group:** Not applicable. Product is not classified as dangerous in transport.**14.5 Environmental hazards:** Not applicable. Product is not classified as dangerous in transport.**14.6 Special precautions for user:** Not applicable. Product is not classified as dangerous in transport.**14.7 Transport in bulk according to Annex II MARPOL 73/78 and the IBC Code:** Not applicable.**SECTION 15: Regulatory information****15.1 Laws concerning the safety, health and environment specific for the substance or mixture.**

Detail information available upon request.

**15.2 Chemical safety assessment:**

No chemical safety assessment. .

**SECTION 16: Other information****Text of R and H-Phrases:****R11** – Highly flammable**R22** – Harmful if swallowed.**R38** – Irritating to skin.**R41** – Risk of serious damage to eyes.**R51/53** – Very toxic to aquatic organisms/May cause long-term adverse effects in the environment.**H225** – Highly flammable liquid and vapour**H302** – Harmful if swallowed.**H315** – Causes skin irritation.**H318** - Causes serious eye damage.**H411** – działa toksycznie na organizmy wodne, powoduje długotrwałe skutki.**Abbreviation, acronyms and symbols description:****F** – Highly flammable**Xn** – Harmful**Xi** – Irritant**N** – Dangerous for the environment**Flam. Liq. 2** – flammable liquid cat. 2**Acute Tox. 4** – acute toxicity cat.4**Eye Dam.1** – serious eye damage**Skin Irrit.2** – skin irritation cat.2**Aquatic Acute 1** – posing a threat to the aquatic environment cat.1**Aquatic Chronic 1** – posing a threat to the aquatic environment cat. 1

NDS – The highest concentration

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NDSP – The highest ceiling

NDSCh – The highest temporary

**Training:**

Not requested.

MATERIAL SAFETY DATA SHEET – **MEDICLEAN MC 111**

- Issuing date: 28.10.2012
- ANG version 1.0 from 06.11.2013

**Sources:**

PL version .

The information provided in this Safety Data Sheet concern only in the title mentioned product. The information given is designed as a guidance for safe handling, use, storage, transportation, disposal and it is not to be considered as legal warranty. In any case, you must comply with the laws and the possible rights of third parties. Sheet is not workplace risk assessment. Product cannot be used in other purpose then mentioned in section 1 without previous consultation with **Medi-Sept Sp. z o.o.**

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